



# USG LEVELROCK® BRAND SAM-N SUPREME SERIES SOUND ATTENUATION MAT

## Uniquely engineered for mass timber construction

- Two low profile options
- Three layered mat with lightweight glass fibers that provide superior sound absorption
- STC and IIC values exceed code requirements for sound attenuation
- Designed for the demanding sound requirements of mass timber construction, including CLT construction
- Installed by USG Levelrock authorized applicators

## DESCRIPTION

USG Levelrock® Brand SAM-N™ Supreme Series Sound Attenuation Mats are premium sound mats designed to help meet or exceed the most demanding IIC requirements in mass timber construction. They are multi-layered mats featuring uniquely engineered lightweight glass fibers with high acoustical absorption. The low-profile thickness can help address overall floor thickness limitations without having to sacrifice acoustical performance. Each mat profile requires a minimum topping of USG Levelrock® Floor Underlayment. Please refer to the *Product Data* table (pg. 2) for more information.

## LIMITATIONS

1. Do not use in exterior applications.
2. Do not use as a wear surface.
3. Do not use mechanical fasteners to install the sound attenuation mat as mechanical fasteners conduct impact sound, eliminating acoustical isolation.
4. Do not install where continuous exposure to moisture is a possibility.
5. Structure shall be designed so that deflection does not exceed L/240 from combined dead and live loads and L/360 from live loads. Certain floor coverings such as marble, limestone, travertine and wood may have more restrictive deflection limits. Consult the appropriate floor-covering manufacturer.
6. For wood subfloors, do not install on plywood/OSB subfloors lacking tongue and groove edges without back-blocking.

## INSTALLATION

USG Levelrock SAM-N Supreme Series Sound Attenuation Mat can be used over a variety of mass timber types. The subfloor must be clean and free of construction debris and dirt. The building temperature should be maintained at a 50 °F (10 °C) minimum.

USG Levelrock SAM-N Supreme Series Sound Attenuation Mat should be installed with the white fabric side facing up. Priming USG Levelrock SAM-N25 Supreme Sound Attenuation Mat is not required prior to installing USG Levelrock Floor Underlayments provided the sound mat is clean and free from construction debris, dirt and dust.

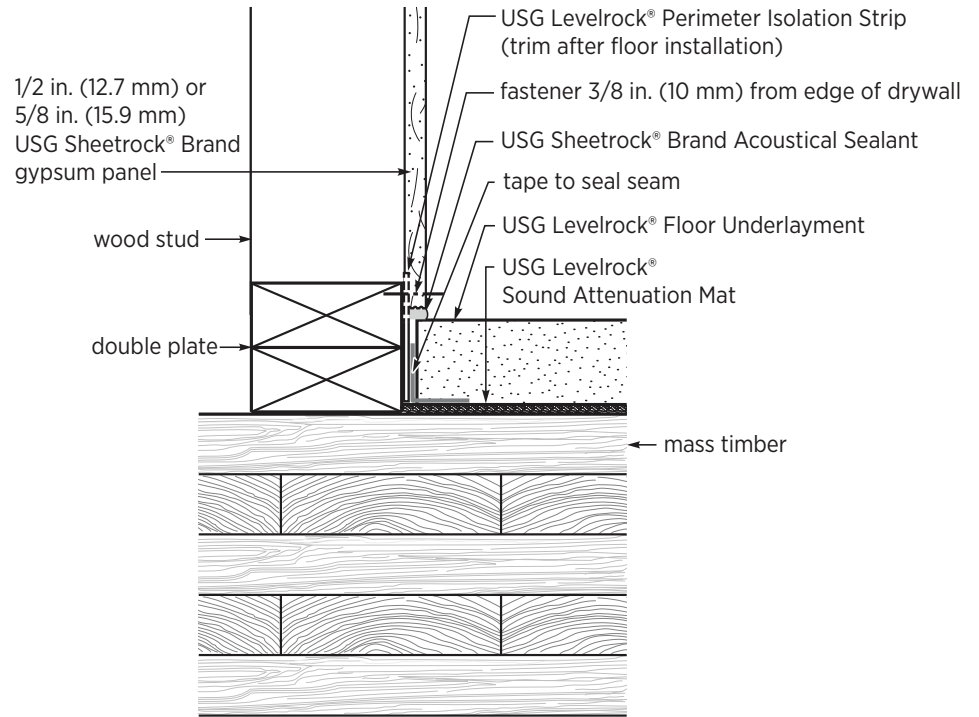
USG Levelrock® Perimeter Isolation Strip must be installed between the sound attenuation mat and walls or floor protrusions. The perimeter isolation strip must be installed so that there is no leakage of USG Levelrock engineered cementitious underlayment as any breach will compromise the sound system performance. Follow the detailed drawings in *Assemblies* (pg. 2) for specific instructions for USG Levelrock SAM-N Supreme Series Sound Attenuation Mat. For further perimeter isolation strip instructions, see *USG Levelrock® Brand Perimeter Isolation Strips Submittal* (IG1874) at [usg.com](http://usg.com).

Protect USG Levelrock underlayment floors poured over sound attenuation mat from heavy trade traffic loads (i.e. loaded drywall carts, heavy tool cabinets, etc.) with plywood.

For further details on installation requirements, specifications and the most up-to-date product information, please see [usg.com](http://usg.com).

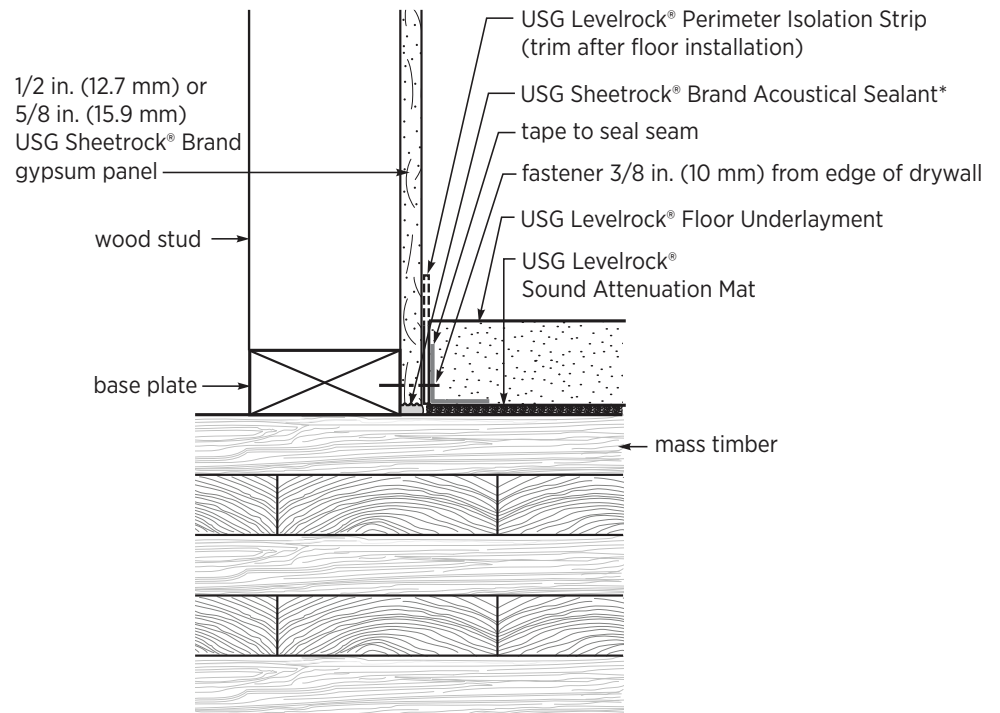
## ASSEMBLIES

MASS TIMBER, WOOD FRAME—  
USG LEVELROCK INSTALLED BEFORE DRYWALL



**USG Levelrock® SAM-N Supreme Series Sound Attenuation Mat**

MASS TIMBER, WOOD FRAME—  
USG LEVELROCK INSTALLED AFTER DRYWALL



**USG Levelrock® SAM-N Supreme Series Sound Attenuation Mat**

**NOTE** Drawings not to scale.

PRODUCT DATA

	USG Levelrock® SAM-N25™ Supreme	USG Levelrock® SAM-N75™ Supreme
Width	39.5 in. (1 m)	39.5 in. (1 m)
Roll length	100 lf. (30.5 m)	50 lf (15.2 m)
Coverage per roll	330 sq. ft. (30.7 m²)	165 sq. ft. (30.7 m²)
Mat thickness	5/16 in. (8 mm)	23/32 in. (18 mm)
Roll diameter	22 in. (559 mm)	22 in. (559 mm)
Weight per roll	49 lbs. (22 kg)	39 lbs. (18 kg)
Minimum topping of USG Levelrock Floor Underlayment	1 in. (25 mm)	1.5 in. (38 mm)

TEST DATA  
SOUND

For fire ratings and IIC and STC sound test data, refer to the *USG Levelrock® Fire & Sound Rating Guide* (IG1685) at usg.com. Published acoustical and durability performance is based on testing USG Levelrock Floor Underlayments with USG Levelrock sound attenuation products.

**Loft Assemblies Without Ceilings** Because loft assemblies vary greatly from job to job, field testing NNIC and NISR tests should be conducted by a licensed acoustician according to ASTM E336 (for NNIC) and ASTM E1007 (for NISR).

EXTENDED WARRANTY

An extended warranty may apply when using USG Levelrock SAM-N Supreme Series Sound Attenuation Mat in a system application. Please contact USG for further details.

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

**PRODUCT INFORMATION**  
See usg.com for the most up-to-date product information.

**CAUTION**  
Fibers and dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. Remove contact lenses and continue rinsing. If on skin: Wash with plenty of water. If irritation persists, call physician. For more information call Product Safety: 800-507-8899 or see the SDS at usg.com.  
**KEEP OUT OF REACH OF CHILDREN.**

**TRADEMARKS**  
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**NOTE**  
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**SAFETY FIRST!**  
Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read applicable SDSs and literature before specification and installation.

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